Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

EMB

1st & PART BILL

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 17.09.2021									
Detailed Measurements									
Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
1	KSRRB 200-8 Clearing and grubbing road land including uprooting rank vegetation grass bushes shrubs and trees of girth upto 300mm by manual means in area of lights jungles removal of stumps disposal of unservicable materials stacking of servicable materials labour charges complete as per specification								
	Anurag Flat No-33-48 S-HIG-C-3			30.00	4.30		129.00		
	Yamuna S-HIG-A8			28.00	5.30		148.40		
	Kapila Block S-HIG-B3 Right side			18.90	4.10		77.49		
	Kapila Block S-HIG-B3 Back side			30.00	5.90		177.00		
	Swasthik S-HIG-C Right Side			12.00	5.70		68.40		
	Swasthik S-HIG-C Front Side			23.60	7.20		169.92		
	Square Yards S-HIG-01 Front Side			32.30	6.80		219.64		
	Square Yards S-HIG-01 Front Side			25.40	8.80		223.52		
	Present Qty						**1213.37**	**11.13**	**13504.81**

C&C

Contractor | PMC | Assistant Engineer | Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 18.09.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
2	KSRRB 300-49 scarifying bituminous course 50mm to 75mm thick along with premix carpet I surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labours charges complete as per specification MORTH I Chapter 3								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	4.50		135.00		
	ch 30 to 60m		1	30.00	4.50		135.00		
	ch 60 to 90m		1	30.00	4.50		135.00		
	ch 90 to 120m		1	30.00	4.50		135.00		
	ch 120 to 150m		1	30.00	4.50		135.00		
	ch 150 to 180m		1	30.00	4.50		135.00		
	ch 180 to 205m		1	25.00	4.50		112.50		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	4.50		135.00		
	ch 30 to 60m		1	30.00	4.50		135.00		
	ch 60 to 90m		1	30.00	4.50		135.00		
	ch 90 to 120m		1	30.00	4.50		135.00		
	ch 120 to 150m		1	30.00	4.50		135.00		
	ch 150 to 160m		1	10.00	4.50		45.00		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	4.50		135.00		
	ch 30 to 60m		1	30.00	4.50		135.00		
	ch 60 to 90m		1	30.00	4.50		135.00		
	ch 90 to 120m		1	30.00	4.50		135.00		
	ch 120 to 150m		1	30.00	4.50		135.00		
	ch 150 to 162m		1	12.00	4.50		54.00		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	5.00		150.00		
	ch 30 to 60m		1	30.00	5.00		150.00		
	ch 60 to 90m		1	30.00	5.00		150.00		
	ch 90 to 101m		1	11.00	5.00		55.00		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	2.00		60.00		
	ch 30 to 60m		1	30.00	2.00		60.00		
	ch 60 to 90m		1	30.00	2.00		60.00		
	ch 90 to 120m		1	30.00	2.00		60.00		
	ch 120 to 150m		1	30.00	2.00		60.00		

Contractor | Karnataka Material Test House, Bangalore — Consultants | Assistant Engineer | Assistant Executive Engi

Road Gap								
ch 0.00 to 30m		1	30.00	6.20		186.00		
ch 30 to 60m		1	30.00	6.20		186.00		
ch 60 to 75m		1	15.00	6.10		91.50		
					Present Qty	**28672.40**	**100.17**	**2872[illegible]4.31**

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 05.10.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
	KSRRB M300-59.2. Loosening levelling and compacting original ground supporting embackment to facilitate placement of first layer of embackment / subgrade scarified to a depth of 150mm mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in table 300-2 for embackment/ subgrade including HOM construction , labour etc., complete as per specification. MORTH specification No. 305.3.4								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	6.50		195.00		
	ch 30 to 60m		1	30.00	6.50		195.00		
	ch 60 to 90m		1	30.00	6.50		195.00		
	ch 90 to 120m		1	30.00	6.50		195.00		
	ch 120 to 150m		1	30.00	6.50		195.00		
	ch 150 to 180m		1	30.00	6.50		195.00		
	ch 180 to 205m		1	25.00	6.50		162.50		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	6.50		195.00		
	ch 30 to 60m		1	30.00	6.50		195.00		
	ch 60 to 90m		1	30.00	6.50		195.00		
	ch 90 to 120m		1	30.00	6.50		195.00		
	ch 120 to 150m		1	30.00	6.50		195.00		
	ch 150 to 160m		1	10.00	6.50		65.00		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	6.50		195.00		
	ch 30 to 60m		1	30.00	6.50		195.00		
	ch 60 to 90m		1	30.00	6.50		195.00		
	ch 90 to 120m		1	30.00	6.50		195.00		
	ch 120 to 150m		1	30.00	6.50		195.00		
	ch 150 to 162m		1	12.00	6.50		78.00		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	7.00		210.00		
	ch 30 to 60m		1	30.00	7.00		210.00		
	ch 60 to 90m		1	30.00	7.00		210.00		
	ch 90 to 101m		1	11.00	7.00		77.00		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00		120.00		
	ch 30 to 60m		1	30.00	4.00		120.00		

Karnataka Material Test House Pvt Ltd Constants Bangalore

Contractor | Assistant Engineer | Assistant Executive Engi

	Deduction for chambers abd sump tank		4.00	0.50	0.50		-1.00		
	Anurag Flat No 33-48 S-HIS-C-03 Front side			28.50	5.90		168.15		
				4.20	2.50		10.50		
				20.50	4.00		82.00		
				30.00	4.30		129.00		
				8.00	4.00		32.00		
				18.50	8.30		153.55		
	Sri Saptagiri S-HIG-C-07 Front side			30.00	5.50		165.00		
	Sri Saptagiri S-HIG-C-07 Right side			7.50	6.00		45.00		
	Sri Saptagiri S-HIG-C-07 Back side			29.00	7.40		214.60		
	Omsai S-HIG-C-8 Front side			25.00	6.50		162.50		
	Omsai S-HIG-C-8 Back side			24.00	8.40		201.60		
	Veersagar Main Road Government hospital			9.50	1.50		14.25		
				9.50	1.50		14.25		
				19.20	1.50		28.80		
				19.20	1.50		28.80		
				19.20	1.50		28.80		
				14.00	1.50		21.00		
				7.00	1.50		10.50		
	Deduction Chambers and sump tanks		4.00	5.00	3.50		-70.00		
			6.00	1.00	1.00		-6.00		
						Present Qty	50943.64	25.60	1304157.18

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Karnataka Material Test House Pvt Ltd. ★ Bangalore ★

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 28/07/2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
5	KSRRB M300-14 Excavation for roadswork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom ans side slopes, in accordance with requirement of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 180m		1	30.00	6.50	0.23	44.85		
	ch 180 to 205m		1	25.00	6.50	0.23	37.38		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 160m		1	10.00	6.50	0.23	14.95		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 162m		1	12.00	6.50	0.23	17.94		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	7.00	0.23	48.30		
	ch 30 to 60m		1	30.00	7.00	0.23	48.30		
	ch 60 to 90m		1	30.00	7.00	0.23	48.30		
	ch 90 to 101m		1	11.00	7.00	0.23	17.71		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00	0.23	27.60		
	ch 30 to 60m		1	30.00	4.00	0.23	27.60		
	ch 60 to 90m		1	30.00	4.00	0.23	27.60		

Karnataka Material Test House Pvt Ltd

Contractor | Consultants | Assistant Engineer | Assistant Executive Engi

				9.00	2.40	0.32	6.91		
				3.10	2.50	0.33	2.56		
				5.00	1.00	0.30	-1.50		
				3.00	2.00	0.30	0.00		
	Yamuna S-HIG-A8 Surrounding			9.80	6.60	0.30	-19.40		
				9.40	1.00	0.30	-2.82		
				30.00	7.50	0.33	74.25		
				2.00	7.50	0.32	4.80		
				9.50	1.60	0.35	5.32		
				9.50	4.50	0.30	12.83		
				4.10	2.60	0.35	3.73		

Industrial Test House Pvt Ltd. ★ Bangalore ★

Contractor Consultants Assistant Engineer Assistant Executive Engin

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 01.10.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
6	KSRRB M300-19 Removal of unservicable soil including excavation , loading and disposal but excluding replacement by suitable soil which shall be paid seperately as per clause 300.5 complete as per specifications. MORTH specification No.301								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 180m		1	30.00	6.50	0.23	44.85		
	ch 180 to 205m		1	25.00	6.50	0.23	37.38		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 160m		1	10.00	6.50	0.23	14.95		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 162m		1	12.00	6.50	0.23	17.94		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	7.00	0.23	48.30		
	ch 30 to 60m		1	30.00	7.00	0.23	48.30		
	ch 60 to 90m		1	30.00	7.00	0.23	48.30		
	ch 90 to 101m		1	11.00	7.00	0.23	17.71		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00	0.23	27.60		
	ch 30 to 60m		1	30.00	4.00	0.23	27.60		
	ch 60 to 90m		1	30.00	4.00	0.23	27.60		
	ch 90 to 120m		1	30.00	4.00	0.23	27.60		
	ch 120 to 150m		1	30.00	4.00	0.23	27.60		

Contractor Consultant Assistant Engineer Assistant Executive Engin

Karnataka Material Test House Pvt Ltd * Bangalore

				5.50	1.80	0.33	3.27		
				5.00	2.30	0.33	3.83		
				4.60	4.00	0.32	5.89		
	S-HIG-C-04 Flat No 49-64 Front side			7.00	5.30	0.32	11.87		
				8.70	3.00	0.34	8.87		
				9.20	4.90	0.30	-13.52		
				12.20	5.40	0.30	0.00		
	S-HIG-C-04 Flat No 49-64 Back side			13.20	6.00	0.32	25.34		
				12.45	5.00	0.32	19.92		
				1.80	5.00	0.35	3.15		
	Deduction for chambers abd sump tank		4.00	0.50	0.50	0.32	-0.32		
	Anurag Flat No 33-48 S-HIS-C-03 Front side			28.50	5.90	0.36	60.53		
				4.20	2.50	0.32	3.36		
				20.50	4.00	0.31	25.42		
				30.00	4.30	0.30	0.00		
				8.00	4.00	0.32	10.24		
				18.50	8.30	0.31	47.60		
	Sri Saptagiri S-HIG-C-07 Front side			30.00	5.50	0.34	56.10		
	Sri Saptagiri S-HIG-C-07 Right side			7.50	6.00	0.32	14.40		
	Sri Saptagiri S-HIG-C-07 Back side			29.00	7.40	0.32	68.67		
	Omsai S-HIG-C-8 Front side			25.00	6.50	0.32	52.00		
	Omsai S-HIG-C-8 Back side			24.00	8.40	0.30	60.48		
	Veersagar Main Road Government hospital			9.50	1.50	0.26	3.71		
				9.50	1.50	0.24	3.42		

Contractor Consultant Assistant Engineer Assistant Executive Engine

			19.20	1.50	0.29	8.35		
			19.20	1.50	0.50	14.40		
			19.20	1.50	0.28	8.06		
			14.00	1.50	0.26	5.46		
			7.00	1.50	0.30	3.15		
Deduction Chambers and sump tanks		4.00	5.00	3.50	0.20	-14.00		
		6.00	1.00	1.00	0.28	-1.68		
					Present Qty	12730.31	36.73	467584.25

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 18.10.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
8	KSRRB M400-17 Proving, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wetmix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tippers to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory rollers to achieve the desired density complete as per specifications. MORTH specification No. 406								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 180m		1	30.00	6.50	0.23	44.85		
	ch 180 to 205m		1	25.00	6.50	0.23	37.38		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 160m		1	10.00	6.50	0.23	14.95		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.23	44.85		
	ch 30 to 60m		1	30.00	6.50	0.23	44.85		
	ch 60 to 90m		1	30.00	6.50	0.23	44.85		
	ch 90 to 120m		1	30.00	6.50	0.23	44.85		
	ch 120 to 150m		1	30.00	6.50	0.23	44.85		
	ch 150 to 162m		1	12.00	6.50	0.23	17.94		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	7.00	0.23	48.30		
	ch 30 to 60m		1	30.00	7.00	0.23	48.30		
	ch 60 to 90m		1	30.00	7.00	0.23	48.30		
	ch 90 to 101m		1	11.00	7.00	0.23	17.71		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00	0.23	27.60		
	ch 30 to 60m		1	30.00	4.00	0.23	27.60		
	ch 60 to 90m		1	30.00	4.00	0.23	27.60		
	ch 90 to 120m		1	30.00	4.00	0.23	27.60		
	ch 120 to 150m		1	30.00	4.00	0.23	27.60		
	ch 150 to 153m		1	3.00	4.00	0.23	2.76		
	6th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00	0.23	27.60		
	ch 30 to 60m		1	30.00	4.00	0.23	27.60		

Contractor　　Consultant　　Assistant Engineer　　Assistant Executive Engineer

Veersagar Main Road Government hospital			9.50	1.50	0.20	2.85		
			9.50	1.50	0.26	3.71		
			19.20	1.50	0.30	8.64		
			19.20	1.50	0.32	9.22		
			19.20	1.50	0.33	9.50		
			14.00	1.50	0.33	6.93		
			7.00	1.50	0.23	2.42		
Deduction Chambers and sump tanks		4.00	5.00	3.50	0.20	-14.00		
		6.00	1.00	1.00	0.30	-1.80		
					Present Qty	12569.41	2101.34	26412598.55

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 27.10.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
11	KSRRB 500-7 Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surface at 0.25 kg per sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials labour HOM of machineries complete as per specifications MORTH Chapter 5								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	6.50		195.00		
	ch 30 to 60m		1	30.00	6.50		195.00		
	ch 60 to 90m		1	30.00	6.50		195.00		
	ch 90 to 120m		1	30.00	6.50		195.00		
	ch 120 to 150m		1	30.00	6.50		195.00		
	ch 150 to 180m		1	30.00	6.50		195.00		
	ch 180 to 205m		1	25.00	6.50		162.50		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	6.50		195.00		
	ch 30 to 60m		1	30.00	6.50		195.00		
	ch 60 to 90m		1	30.00	6.50		195.00		
	ch 90 to 120m		1	30.00	6.50		195.00		
	ch 120 to 150m		1	30.00	6.50		195.00		
	ch 150 to 160m		1	10.00	6.50		65.00		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	6.50		195.00		
	ch 30 to 60m		1	30.00	6.50		195.00		
	ch 60 to 90m		1	30.00	6.50		195.00		
	ch 90 to 120m		1	30.00	6.50		195.00		
	ch 120 to 150m		1	30.00	6.50		195.00		
	ch 150 to 162m		1	12.00	6.50		78.00		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	7.00		210.00		
	ch 30 to 60m		1	30.00	7.00		210.00		
	ch 60 to 90m		1	30.00	7.00		210.00		
	ch 90 to 101m		1	11.00	7.00		77.00		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00		120.00		
	ch 30 to 60m		1	30.00	4.00		120.00		
	ch 60 to 90m		1	30.00	4.00		120.00		
	ch 90 to 120m		1	30.00	4.00		120.00		

Contractor | Consultants | Assistant Engineer | Assistant Executive Engineer

	ch 0.00 to 30m		1	30.00	3.50		105.00		
	ch 30 to 60m		1	30.00	3.50		105.00		
	ch 60 to 90m		1	30.00	3.50		105.00		
	ch 90 to 120m		1	30.00	3.50		105.00		
	ch 120 to 150m		1	30.00	3.50		105.00		
	ch 150 to 180m		1	30.00	3.50		105.00		
	ch 180 to 210m		1	30.00	3.50		105.00		
	ch 210 to 240m		1	30.00	3.50		105.00		
	ch 240 to 270m		1	30.00	3.50		105.00		
	ch 270 to 300m		1	30.00	3.50		105.00		
	ch 300 to 310m		1	10.00	3.50		35.00		
	Kapila Layout Road								
	ch 0.00 to 30m		1	30.00	4.80		144.00		
	ch 30 to 60m		1	30.00	4.80		144.00		
	ch 60 to 90m		1	30.00	4.80		144.00		
	ch 90 to 92m		1	2.00	4.80		9.60		
						Present Qty	**55910.51**	**13.36**	**746964.41**

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 25/10/2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
2	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, lavel and allignment, rolling with smooth wheeled, vibratory and tandom rollers to achieve the desired compaction as per MORTH table 500-10 Complete in all respects compete as per specifications MORTH specification No. 507. using 100/120 TPH capacity HMP with sensor paver Gr-II (50mm to 75mm) with 4.5 % VG-30 Bitumen.								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.05	9.75		
	ch 30 to 60m		1	30.00	6.50	0.05	9.75		
	ch 60 to 90m		1	30.00	6.50	0.05	9.75		
	ch 90 to 120m		1	30.00	6.50	0.05	9.75		
	ch 120 to 150m		1	30.00	6.50	0.05	9.75		
	ch 150 to 180m		1	30.00	6.50	0.05	9.75		
	ch 180 to 205m		1	25.00	6.50	0.05	8.13		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	6.50	0.05	9.75		
	ch 30 to 60m		1	30.00	6.50	0.05	9.75		
	ch 60 to 90m		1	30.00	6.50	0.05	9.75		
	ch 90 to 120m		1	30.00	6.50	0.05	9.75		
	ch 120 to 150m		1	30.00	6.50	0.05	9.75		
	ch 150 to 160m		1	10.00	6.50	0.05	3.25		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.05	9.75		
	ch 30 to 60m		1	30.00	6.50	0.05	9.75		
	ch 60 to 90m		1	30.00	6.50	0.05	9.75		
	ch 90 to 120m		1	30.00	6.50	0.05	9.75		
	ch 120 to 150m		1	30.00	6.50	0.05	9.75		
	ch 150 to 162m		1	12.00	6.50	0.05	3.90		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	7.00	0.05	10.50		
	ch 30 to 60m		1	30.00	7.00	0.05	10.50		
	ch 60 to 90m		1	30.00	7.00	0.05	10.50		
	ch 90 to 101m		1	11.00	7.00	0.05	3.85		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00	0.05	6.00		

Contractor | Consultants | Assistant Engineer | Assistant Executive Engineer

ch 30 to 60m		1	30.00	4.00	0.05	6.00		
ch 60 to 90m		1	30.00	4.00	0.05	6.00		
ch 90 to 120m		1	30.00	4.00	0.05	6.00		
ch 120 to 150m		1	30.00	4.00	0.05	6.00		
ch 150 to 153m		1	3.00	4.00	0.05	0.60		
6th A Main Road								
ch 0.00 to 30m		1	30.00	4.00	0.05	6.00		
ch 30 to 60m		1	30.00	4.00	0.05	6.00		
ch 60 to 90m		1	30.00	4.00	0.05	6.00		
ch 90 to 120m		1	30.00	4.00	0.05	6.00		
ch 120 to 144m		1	24.00	4.00	0.05	4.80		
oriental school road								
ch 0.00 to 30m		1	30.00	8.00	0.05	12.00		
ch 30 to 60m		1	30.00	8.00	0.05	12.00		
ch 60 to 90m		1	30.00	8.00	0.05	12.00		
ch 90 to 120m		1	30.00	8.00	0.05	12.00		
ch 120 to 150m		1	30.00	8.00	0.05	12.00		
ch 150 to 180m		1	30.00	8.00	0.05	12.00		
ch 180 to 210m		1	30.00	8.00	0.05	12.00		
ch 210 to 216.5m		1	6.50	8.00	0.05	2.60		
1st main AMS Extension								
ch 0.00 to 30m		1	30.00	4.00	0.05	6.00		
ch 30 to 60m		1	30.00	4.00	0.05	6.00		
ch 60 to 90m		1	30.00	4.00	0.05	6.00		
ch 90 to 120m		1	30.00	4.00	0.05	6.00		
ch 120 to 150m		1	30.00	4.00	0.05	6.00		
ch 150 to 180m		1	30.00	4.00	0.05	6.00		
opposite to regancy school gate 2								
ch 0.00 to 30m		1	30.00	7.00	0.05	10.50		
ch 30 to 60m		1	30.00	7.00	0.05	10.50		
ch 60 to 90m		1	30.00	7.00	0.05	10.50		
ch 90 to 96m		1	6.00	7.00	0.05	2.10		
Beside Arohana Stationary								
ch 0.00 to 30m		1	30.00	5.50	0.05	8.25		
ch 30 to 60m		1	30.00	5.50	0.05	8.25		
ch 60 to 90m		1	30.00	5.50	0.05	8.25		
ch 90 to 100m		1	10.00	5.50	0.05	2.75		
Main Road 3rd								
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00		
ch 30 to 60m		1	30.00	6.00	0.05	9.00		
ch 60 to 90m		1	30.00	6.00	0.05	9.00		
ch 90 to 120m		1	30.00	6.00	0.05	9.00		
ch 120 to 150m		1	30.00	6.00	0.05	9.00		
ch 150 to 180m		1	30.00	6.00	0.05	9.00		

Contractor Consultants Assistant Engineer Assistant Executive Engineer

ch 180 to 210m		1	30.00	6.00	0.05	9.00			
ch 210 to 240m		1	30.00	6.00	0.05	9.00			
ch 240 to 270m		1	30.00	6.00	0.05	9.00			
ch 270 to 300m		1	30.00	6.00	0.05	9.00			
ch 300 to 330m		1	30.00	6.00	0.05	9.00			
ch 330 to 333m		1	3.00	6.00	0.05	0.90			
Ams Layout									
4th B Main Road									
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00			
ch 30 to 60m		1	30.00	6.00	0.05	9.00			
ch 60 to 90m		1	30.00	6.00	0.05	9.00			
ch 90 to 120m		1	30.00	6.00	0.05	9.00			
ch 120 to 150m		1	30.00	6.00	0.05	9.00			
ch 150 to 156m		1	6.00	6.00	0.05	1.80			
4th A Main Road									
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00			
ch 30 to 60m		1	30.00	6.00	0.05	9.00			
ch 60 to 90m		1	30.00	6.00	0.05	9.00			
ch 90 to 120m		1	30.00	6.00	0.05	9.00			
ch 120 to 150m		1	30.00	6.00	0.05	9.00			
ch 150 to 162m		1	12.00	6.00	0.05	3.60			
4th C Main Road									
ch 0.00 to 30m		1	30.00	6.50	0.05	9.75			
ch 30 to 60m		1	30.00	6.50	0.05	9.75			
ch 60 to 90m		1	30.00	6.50	0.05	9.75			
ch 90 to 120m		1	30.00	6.50	0.05	9.75			
ch 120 to 150m		1	30.00	6.50	0.05	9.75			
ch 150 to 180m		1	30.00	6.50	0.05	9.75			
ch 180 to 210m		1	30.00	6.50	0.05	9.75			
ch 210 to 240m		1	30.00	6.50	0.05	9.75			
ch 240 to 270m		1	30.00	6.50	0.05	9.75			
ch 270 to 300m		1	30.00	6.50	0.05	9.75			
ch 300 to 310m		1	10.00	6.50	0.05	3.25			
3rd Main Road									
ch 0.00 to 30m		1	30.00	9.50	0.05	14.25			
ch 30 to 60m		1	30.00	9.50	0.05	14.25			
ch 60 to 90m		1	30.00	7.80	0.05	11.70			
ch 90 to 120m		1	30.00	9.50	0.05	14.25			
ch 120 to 150m		1	30.00	9.60	0.05	14.40			
ch 150 to 180m		1	30.00	9.80	0.05	14.70			
ch 180 to 210m		1	30.00	9.60	0.05	14.40			
ch 210 to 238m		1	28.00	9.80	0.05	13.72			
1st Cross Road AMS Extension									
ch 0.00 to 30m		1	30.00	6.70	0.05	10.05			

Contractor Consultants Assistant Engineer Assistant Executive Engineer

ch 30 to 33.4m		1	3.40	6.70	0.05	1.14		
2nd Cross Road AMS Extension								
ch 0.00 to 30m		1	30.00	6.60	0.05	9.90		
ch 30 to 60m		1	30.00	6.60	0.05	9.90		
ch 60 to 82.0m		1	22.00	6.60	0.05	7.26		
3rd Cross Road AMS Extension								
ch 0.00 to 30m		1	30.00	6.30	0.05	9.45		
ch 30 to 60m		1	30.00	6.30	0.05	9.45		
ch 60 to 82.2m		1	22.20	6.30	0.05	6.99		
2nd Main Road								
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00		
ch 30 to 60m		1	30.00	6.00	0.05	9.00		
ch 60 to 90m		1	30.00	6.00	0.05	9.00		
ch 90 to 120m		1	30.00	6.00	0.05	9.00		
ch 120 to 150m		1	30.00	6.00	0.05	9.00		
ch 150 to 180m		1	30.00	6.00	0.05	9.00		
ch 180 to 200m		1	20.00	6.00	0.05	6.00		
3rd Cross Road								
ch 0.00 to 30m		1	30.00	6.50	0.05	9.75		
ch 30 to 60m		1	30.00	6.50	0.05	9.75		
ch 60 to 90m		1	30.00	6.50	0.05	9.75		
ch 90 to 120m		1	30.00	6.50	0.05	9.75		
ch 120 to 150m		1	30.00	6.50	0.05	9.75		
ch 150 to 180m		1	30.00	6.50	0.05	9.75		
ch 180 to 210m		1	30.00	6.50	0.05	9.75		
ch 210 to 240m		1	30.00	6.50	0.05	9.75		
ch 240 to 270m		1	30.00	6.50	0.05	9.75		
ch 270 to 300m		1	30.00	6.50	0.05	9.75		
ch 300 to 330m		1	30.00	6.50	0.05	9.75		
ch 330 to 340m		1	10.00	6.50	0.05	3.25		
2nd Cross Road								
ch 0.00 to 30m		1	30.00	6.50	0.05	9.75		
ch 30 to 60m		1	30.00	6.50	0.05	9.75		
ch 60 to 90m		1	30.00	6.50	0.05	9.75		
ch 90 to 120m		1	30.00	6.50	0.05	9.75		
ch 120 to 150m		1	30.00	6.50	0.05	9.75		
ch 150 to 180m		1	30.00	6.50	0.05	9.75		
ch 180 to 210m		1	30.00	6.50	0.05	9.75		
ch 210 to 240m		1	30.00	6.50	0.05	9.75		
ch 240 to 242m		1	2.00	6.50	0.05	0.65		
1st Cross Road								
ch 0.00 to 30m		1	30.00	6.50	0.05	9.75		
ch 30 to 60m		1	30.00	6.50	0.05	9.75		
ch 60 to 90m		1	30.00	6.50	0.05	9.75		

Contractor   Consultants   Assistant Engineer   Assistant Executive Engineer

ch 90 to 120m		1	30.00	6.50	0.05	9.75		
ch 120 to 150m		1	30.00	6.50	0.05	9.75		
ch 150 to 180m		1	30.00	6.50	0.05	9.75		
ch 180 to 210m		1	30.00	6.50	0.05	9.75		
ch 210 to 240m		1	30.00	6.50	0.05	9.75		
4th Cross Road								
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00		
ch 30 to 60m		1	30.00	6.00	0.05	9.00		
ch 60 to 90m		1	30.00	6.00	0.05	9.00		
ch 90 to 120m		1	30.00	6.00	0.05	9.00		
ch 120 to 150m		1	30.00	6.00	0.05	9.00		
ch 150 to 180m		1	30.00	6.00	0.05	9.00		
ch 180 to 210m		1	30.00	6.00	0.05	9.00		
ch 210 to 240m		1	30.00	6.00	0.05	9.00		
ch 240 to 270m		1	30.00	6.00	0.05	9.00		
ch 270 to 280m		1	10.00	6.00	0.05	3.00		
5th Cross Road								
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00		
ch 30 to 60m		1	30.00	6.00	0.05	9.00		
ch 60 to 90m		1	30.00	6.00	0.05	9.00		
ch 90 to 120m		1	30.00	6.00	0.05	9.00		
ch 120 to 150m		1	30.00	6.00	0.05	9.00		
ch 150 to 180m		1	30.00	6.00	0.05	9.00		
ch 180 to 210m		1	30.00	6.00	0.05	9.00		
ch 210 to 240m		1	30.00	6.00	0.05	9.00		
ch 240 to 270m		1	30.00	6.00	0.05	9.00		
ch 270 to 290m		1	20.00	6.00	0.05	6.00		
6th Cross Road								
ch 0.00 to 30m		1	30.00	6.30	0.05	9.45		
ch 30 to 60m		1	30.00	6.30	0.05	9.45		
ch 60 to 90m		1	30.00	6.30	0.05	9.45		
ch 90 to 105.5m		1	15.50	6.30	0.05	4.88		
7th Cross Road								
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00		
ch 30 to 57m		1	27.00	6.00	0.05	8.10		
7th Main Road								
ch 0.00 to 30m		1	30.00	7.90	0.05	11.85		
ch 30 to 60m		1	30.00	7.80	0.05	11.70		
ch 60 to 90m		1	30.00	8.20	0.05	12.30		
ch 90 to 120m		1	30.00	7.70	0.05	11.55		
ch 120 to 150m		1	30.00	7.60	0.05	11.40		
ch 150 to 180m		1	30.00	7.90	0.05	11.85		
ch 180 to 210m		1	30.00	7.60	0.05	11.40		
ch 210 to 240m		1	30.00	7.50	0.05	11.25		

Contractor   Consultants   Assistant Engineer   Assistant Executive Engineer

ch 240 to 270m		1	30.00	7.90	0.05	11.85		
ch 270 to 300m		1	30.00	7.60	0.05	11.40		
1st 'A' Main Road AMS Layout								
ch 0.00 to 18m		1	18.00	9.20	0.05	8.28		
ch 18.0 to 23.2m		1	5.20	5.20	0.05	1.35		
ch 23.2 to 53.2m		1	30.00	9.20	0.05	13.80		
ch 53.2 to 56.4m		1	3.20	9.20	0.05	1.47		
1st Main Road AMS Layout								
ch 0.00 to 30m		1	30.00	6.90	0.05	10.35		
ch 30 to 60m		1	30.00	6.90	0.05	10.35		
ch 60 to 90m		1	30.00	6.90	0.05	10.35		
ch 90 to 120m		1	30.00	6.90	0.05	10.35		
ch 120 to 150m		1	30.00	6.90	0.05	10.35		
Cross Road-3								
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00		
ch 30 to 60m		1	30.00	6.00	0.05	9.00		
ch 60 to 90m		1	30.00	6.00	0.05	9.00		
ch 90 to 120m		1	30.00	6.00	0.05	9.00		
ch 120 to 150m		1	30.00	6.00	0.05	9.00		
Cross Road 1								
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00		
ch 30 to 50m		1	20.00	6.00	0.05	6.00		
Swagat Layout								
5th Cross Road								
ch 0.00 to 30m		1	30.00	4.50	0.05	6.75		
ch 30 to 60m		1	30.00	4.50	0.05	6.75		
ch 60 to 90m		1	30.00	4.50	0.05	6.75		
ch 90 to 120m		1	30.00	4.50	0.05	6.75		
ch 120 to 150m		1	30.00	4.50	0.05	6.75		
ch 150 to 180m		1	30.00	4.50	0.05	6.75		
ch 180 to 210m		1	30.00	4.50	0.05	6.75		
ch 210 to 230m		1	20.00	4.50	0.05	4.50		
4th Cross Road								
ch 0.00 to 30m		1	30.00	4.50	0.05	6.75		
ch 30 to 60m		1	30.00	4.50	0.05	6.75		
ch 60 to 90m		1	30.00	4.50	0.05	6.75		
ch 90 to 120m		1	30.00	4.50	0.05	6.75		
ch 120 to 150m		1	30.00	4.50	0.05	6.75		
ch 150 to 180m		1	30.00	4.50	0.05	6.75		
ch 180 to 209m		1	29.00	4.50	0.05	6.53		
Cross Road								
ch 0.00 to 25m		1	25.00	4.00	0.05	5.00		
Akashavani Layout								
3rd Cross Road								

Contractor   Consultants   Assistant Engineer   Assistant Executive Engineer

ch 0.00 to 30m		1	30.00	4.50	0.05	6.75			
ch 30 to 60m		1	30.00	4.50	0.05	6.75			
ch 60 to 90m		1	30.00	4.50	0.05	6.75			
ch 90 to 120m		1	30.00	4.50	0.05	6.75			
ch 120 to 150m		1	30.00	4.50	0.05	6.75			
ch 150 to 180m		1	30.00	4.50	0.05	6.75			
ch 180 to 194m		1	14.00	4.50	0.05	3.15			
2nd Cross Road(L-shape)									
ch 0.00 to 30m		1	30.00	4.50	0.05	6.75			
ch 30 to 60m		1	30.00	4.50	0.05	6.75			
ch 60 to 90m		1	30.00	4.50	0.05	6.75			
ch 90 to 120m		1	30.00	4.50	0.05	6.75			
ch 120 to 140m		1	20.00	4.50	0.05	4.50			
1st Cross Road									
ch 0.00 to 30m		1	30.00	4.50	0.05	6.75			
ch 30 to 60m		1	30.00	4.50	0.05	6.75			
ch 60 to 90m		1	30.00	4.50	0.05	6.75			
ch 90 to 115m		1	25.00	4.50	0.05	5.63			
Venugopal Layout									
5th Cross Road									
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00			
ch 30 to 60m		1	30.00	6.00	0.05	9.00			
ch 60 to 90m		1	30.00	6.00	0.05	9.00			
ch 90 to 93m		1	3.00	6.00	0.05	0.90			
4th Cross Road									
ch 0.00 to 30m		1	30.00	6.00	0.05	9.00			
ch 30 to 60m		1	30.00	6.00	0.05	9.00			
ch 60 to 72m		1	12.00	6.00	0.05	3.60			
3rd Cross Road									
ch 0.00 to 30m		1	30.00	5.00	0.05	7.50			
ch 30 to 60m		1	30.00	5.00	0.05	7.50			
ch 60 to 90m		1	30.00	5.00	0.05	7.50			
ch 90 to 120m		1	30.00	5.00	0.05	7.50			
ch 120 to 136m		1	16.00	5.00	0.05	4.00			
Main Road									
ch 0.00 to 30m		1	30.00	6.50	0.05	9.75			
ch 30 to 60m		1	30.00	6.50	0.05	9.75			
ch 60 to 90m		1	30.00	6.50	0.05	9.75			
ch 90 to 120m		1	30.00	6.50	0.05	9.75			
ch 120 to 150m		1	30.00	6.50	0.05	9.75			
ch 150 to 180m		1	30.00	6.50	0.05	9.75			
ch 180 to 210m		1	30.00	6.50	0.05	9.75			
ch 210 to 240m		1	30.00	6.50	0.05	9.75			
ch 240 to 270m		1	30.00	6.50	0.05	9.75			

Contractor　　Consultants　　Assistant Engineer　　Assistant Executive Engineer

3rd Main 1st Cross								
ch 0.00 to 30m		2	30.00	1.40	0.05	4.20		
ch 30 to 60m		2	30.00	1.40	0.05	4.20		
ch 60 to 90m		2	30.00	1.40	0.05	4.20		
ch 90 to 100m		2	10.00	1.40	0.05	1.40		
3rd Main 5th Cross Road								
ch 0.00 to 30m		2	30.00	1.35	0.05	4.05		
ch 30 to 60m		2	30.00	1.35	0.05	4.05		
ch 60 to 90m		2	30.00	1.35	0.05	4.05		
ch 90 to 91.8m		2	1.80	1.35	0.05	0.24		
2nd Main 3rd Cross								
ch 0.00 to 30m		2	30.00	1.45	0.05	4.35		
ch 30 to 60m		2	30.00	1.45	0.05	4.35		
ch 60 to 90m		2	30.00	1.45	0.05	4.35		
ch 90 to 120m		2	30.00	1.45	0.05	4.35		
ch 120 to 150m		2	30.00	1.45	0.05	4.35		
ch 150 to 180m		2	30.00	1.45	0.05	4.35		
ch 180 to 210m		2	30.00	1.45	0.05	4.35		
ch 210 to 240m		2	30.00	1.45	0.05	4.35		
ch 240 to 270m		2	30.00	1.45	0.05	4.35		
ch 270 to 300m		2	30.00	1.45	0.05	4.35		
ch 300 to 310m		2	10.00	1.55	0.05	1.55		
Kapila Layout Road								
ch 0.00 to 30m		2	30.00	1.10	0.05	3.30		
ch 30 to 60m		2	30.00	1.20	0.05	3.60		
ch 60 to 90m		2	30.00	1.10	0.05	3.30		
ch 90 to 92m		2	2.00	1.05	0.05	0.21		
					Present Qty	**2448.36**	**8001.36**	**19590201.77**

Contractor　　PMC　　Assistant Engineer　　Asst, Executive Engineer

Name of Work: Comprehensive Development of roads and drains at Deo Marvel,AMS Layout, Swagat Layout, Akashavani Layout, Chowdappa Layout and GKVK Layoutin Ward No- 03&04 of Yelahanka Division (Package No-03)

Date of Pre-Measurment

Detailed Measurments

Item No	Discription of Item		Unit	Rate	Amount
1	KSRRB 200-8 Clearing and grubbing road land including uprooting rank vegetation grass bushes shrubs and trees of girth upto 300mm by manual means in area of lights jungles removal of stumps disposal of unservicable materials stacking of servicable materials labour charges complete as per specification				
	Present Qty	1213.37	Sqm	11.13	13504.81
2	KSRRB 300-49 scarifying bituminous course 50mm to 75mm thick along with premix carpet I surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labours charges complete as per specification MORTH I Chapter 3				
	Present Qty	28672.40	Sqm	100.17	2872114.31
3	KSRRB M300-59.2. Loosening levelling and compacting original ground supporting embackment to facilitate placement of first layer of embackment / subgrade scarified to a depth of 150mm mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in table 300-2 for embackment/ subgrade including HOM construction , labour etc., complete as per specification. MORTH specification No. 305.3.4				
	Present Qty	50943.64	Sqm	25.60	1304157.18
4	KSRRB M300-14 Excavation for roadswork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom ans side slopes, in accordance with requirement of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete				
	Present Qty	12731.99	Cum	45.63	580960.65
5	KSRRB M300-19 Removal of unservicable soil including excavation , loading and disposal but excluding replacement by suitable soil which shall be paid seperately as per clause 300.5 complete as per specifications. MORTH specification No.301				
	Present Qty	12730.31	Cum	36.73	467584.25

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

6	Construction of granular sub-base Grading-v as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granitr/trap/basalt materials, mixing by mix in place method by rotavatory at OMC spreading in uniform layers with motor grader on prepared surface and compacting with vibrator power roller to achieve the 98% proctor density, complete as per specifications. Clause 401 of MORTH V revision.				
	Present Qty	7731.69	Cum	1947.75	15059407.96
7	KSRRB M400-17 Proving, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wetmix macadam specifications including pre mixing the materials with water at OMC in mechanical mix plant carriage of mixed materials by tippers to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory rollers to achieve the desired density complete as per specifications. MORTH specification No. 406				
	Present Qty	12569.41	Cum	2101.34	26412598.55
8	KSRRB 500-2 Cleaning the existing black topped surface with brooms soft brush and finallydusting with old gunny bags and /or compressed air to achieve bituminous treatment including cost of all materials. Labour, HOM of mechanical complete as per specifications MORTH specifications clause 501				
	Present Qty	13190.05	Sqm	5.56	73336.68
9	KSRRB M500-6 providing and applying prime coat with s.s bituminous emulsion on prepared surface of granular base such as WMM including cleaning of roads surface and spraying primer at the rate of 0.60 kg per sqm using mechanical means complete as per specifications MORTH specifications No. 502				
	Present Qty	48774.08	Sqm	35.62	1737332.73
10	KSRRB 500-7 Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surface at 0.25 kg per sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials labour HOM of machineries complete as per specifications MORTH Chapter 5				
	Present Qty	55910.51	Sqm	13.36	746964.41

Contractor   Consultants   Assistant Engineer   Assistant Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 27.10.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
13	providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminious binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and o.43% of plastomeric thermoplastic(waste plastic) crushed aggregates of specified grading pre mixxed with bituminous binder and filler, transporting the hot mix to the work site, laying with a paver finisher to the require grade, level and allignment and rolling with the smooth wheeled, vibratory and tandom rollers to achieve the desired compaction in all respect complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.04	7.80		
	ch 30 to 60m		1	30.00	6.50	0.04	7.80		
	ch 60 to 90m		1	30.00	6.50	0.04	7.80		
	ch 90 to 120m		1	30.00	6.50	0.04	7.80		
	ch 120 to 150m		1	30.00	6.50	0.04	7.80		
	ch 150 to 180m		1	30.00	6.50	0.04	7.80		
	ch 180 to 205m		1	25.00	6.50	0.04	6.50		
	4th A Main road								
	ch 0.00 to 30m		1	30.00	6.50	0.04	7.80		
	ch 30 to 60m		1	30.00	6.50	0.04	7.80		
	ch 60 to 90m		1	30.00	6.50	0.04	7.80		
	ch 90 to 120m		1	30.00	6.50	0.04	7.80		
	ch 120 to 150m		1	30.00	6.50	0.04	7.80		
	ch 150 to 160m		1	10.00	6.50	0.04	2.60		
	4th Main Road								
	ch 0.00 to 30m		1	30.00	6.50	0.04	7.80		
	ch 30 to 60m		1	30.00	6.50	0.04	7.80		
	ch 60 to 90m		1	30.00	6.50	0.04	7.80		
	ch 90 to 120m		1	30.00	6.50	0.04	7.80		
	ch 120 to 150m		1	30.00	6.50	0.04	7.80		
	ch 150 to 162m		1	12.00	6.50	0.04	3.12		
	7th A Cross Road								
	ch 0.00 to 30m		1	30.00	7.00	0.04	8.40		
	ch 30 to 60m		1	30.00	7.00	0.04	8.40		
	ch 60 to 90m		1	30.00	7.00	0.04	8.40		
	ch 90 to 101m		1	11.00	7.00	0.04	3.08		
	5th A Main Road								
	ch 0.00 to 30m		1	30.00	4.00	0.04	4.80		

Contractor   Karnataka Material Test House Bangalore   Consultants   Assistant Engineer   Assistant Executive Engineer

ch 60 to 90m		1	30.00	3.50	0.04	4.20		
ch 90 to 91.8m		1	1.80	3.50	0.04	0.25		
2nd Main 3rd Cross								
ch 0.00 to 30m		1	30.00	3.50	0.04	4.20		
ch 30 to 60m		1	30.00	3.50	0.04	4.20		
ch 60 to 90m		1	30.00	3.50	0.04	4.20		
ch 90 to 120m		1	30.00	3.50	0.04	4.20		
ch 120 to 150m		1	30.00	3.50	0.04	4.20		
ch 150 to 180m		1	30.00	3.50	0.04	4.20		
ch 180 to 210m		1	30.00	3.50	0.04	4.20		
ch 210 to 240m		1	30.00	3.50	0.04	4.20		
ch 240 to 270m		1	30.00	3.50	0.04	4.20		
ch 270 to 300m		1	30.00	3.50	0.04	4.20		
ch 300 to 310m		1	10.00	3.50	0.04	1.40		
Kapila Layout Road								
ch 0.00 to 30m		1	30.00	4.80	0.04	5.76		
ch 30 to 60m		1	30.00	4.80	0.04	5.76		
ch 60 to 90m		1	30.00	4.80	0.04	5.76		
ch 90 to 92m		1	2.00	4.80	0.04	0.38		
					Present Qty	2236.42	9134.39	20428336.14

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: **Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)**

Date of Pre-Measurement : 23.09.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
14	Providing and Constructing dry lean cement concrete mix CC1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregates at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregatesconforming to IS: 383-2016, aggregates gradation after blending to be as per table 600-1 optimum moisture content to be determined during trial length construction concrete strength not to be less tham 10Mpa at 7 days mixed in a batch mixer plant transportated to site, laid with a paver, compacting with 8-10 tonnes vibratory roller								
	4th Phase Yelahanka								
	Infront of Arkavathi Block -S HIG-B5		1.00	14.00	3.20	0.15	6.72		
			1.00	30.00	2.90	0.15	13.05		
			1.00	30.00	2.90	0.15	13.05		
			1.00	7.00	2.90	0.15	3.05		
	AMS Layout								
	Cross Road								
			1.00	30.00	6.70	0.15	30.15		
			1.00	30.00	6.70	0.15	30.15		
			1.00	9.50	6.70	0.15	9.55		
						Present Qty	105.71	3990.10	421803.45

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

te of Pre-Measurement : 8·1·2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
17	KSRRB M800-13. Road marking with hot applied thermoplastic compound with reflectrising glass beads on bituminous surface / concrete surface : providing and laying of hot applied thermo plastic compound 2.5mm thick including reflectorising glass beads at 250gms per sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 standards specified.complete as per specifications.								
	Centre Line								
	Ams Extension								
	3rd Main Road								
	ch 0.00 to 30m		0.5	30.00	0.10		1.50		
	ch 30 to 60m		0.5	30.00	0.10		1.50		
	ch 60 to 90m		0.5	30.00	0.10		1.50		
	ch 90 to 120m		0.5	30.00	0.10		1.50		
	ch 120 to 150m		0.5	30.00	0.10		1.50		
	ch 150 to 180m		0.5	30.00	0.10		1.50		
	ch 180 to 205m		0.5	25.00	0.10		1.25		
	4th A Main road								
	ch 0.00 to 30m		0.5	30.00	0.10		1.50		
	ch 30 to 60m		0.5	30.00	0.10		1.50		
	ch 60 to 90m		0.5	30.00	0.10		1.50		
	ch 90 to 120m		0.5	30.00	0.10		1.50		
	ch 120 to 150m		0.5	30.00	0.10		1.50		
	ch 150 to 160m		0.5	10.00	0.10		0.50		
	4th Main Road								
	ch 0.00 to 30m		0.5	30.00	0.10		1.50		
	ch 30 to 60m		0.5	30.00	0.10		1.50		
	ch 60 to 90m		0.5	30.00	0.10		1.50		
	ch 90 to 120m		0.5	30.00	0.10		1.50		
	ch 120 to 150m		0.5	30.00	0.10		1.50		
	ch 150 to 162m		0.5	12.00	0.10		0.60		
	7th A Cross Road								
	ch 0.00 to 30m		0.5	30.00	0.10		1.50		
	ch 30 to 60m		0.5	30.00	0.10		1.50		
	ch 60 to 90m		0.5	30.00	0.10		1.50		
	ch 90 to 101m		0.5	11.00	0.10		0.55		
	5th A Main Road								
	ch 0.00 to 30m		0.5	30.00	0.10		1.50		

ontactor Consultants Assistant Engineer Assistant Executive Engineer

ch 0.00 to 30m		2	30.00	0.15		9.00		
ch 30 to 60m		2	30.00	0.15		9.00		
ch 60 to 90m		2	30.00	0.15		9.00		
ch 90 to 120m		2	30.00	0.15		9.00		
ch 120 to 150m		2	30.00	0.15		9.00		
ch 150 to 180m		2	30.00	0.15		9.00		
ch 180 to 210m		2	30.00	0.15		9.00		
ch 210 to 240m		2	30.00	0.15		9.00		
ch 240 to 270m		2	30.00	0.15		9.00		
ch 270 to 300m		2	30.00	0.15		9.00		
ch 300 to 310m		2	10.00	0.15		3.00		
Kapila Layout Road								
ch 0.00 to 30m		2	30.00	0.15		9.00		
ch 30 to 60m		2	30.00	0.15		9.00		
ch 60 to 90m		2	30.00	0.15		9.00		
ch 90 to 92m		2	2.00	0.15		0.60		
					Present Qty	3388.66	477.48	1618014.99

Karnataka Material House Pvt Ltd. Bangalore PMC

Contractor

Assistant Engineer

Asst, Executive Engineer

ame of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 nder Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

ate of Pre-Measurement : 17.11.2021.

Detailed Measurements

em No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
9	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks od approved size, shape and colour with a minimum compressive strength of 281kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specification.								
	Kapila Block S-HISG-B3 Right side			5.60	3.10		17.36		
				18.90	14.10		266.49		
				7.20	14.20		102.24		
				2.20	4.40		9.68		
				4.00	1.95		7.80		
	Kapila Block S-HISG-B3 Back side			30.00	5.90		177.00		
				28.00	5.90		165.20		
	Kapila Block S-HISG-B3 Left side			9.00	5.00		45.00		
				12.00	1.30		15.60		
				9.00	2.40		21.60		
				3.10	2.50		7.75		
				5.00	1.00		5.00		
				3.00	2.00		6.00		
				9.80	6.60		64.68		
	Yamuna S-HIG-A8 Surrounding			9.40	1.00		9.40		
				30.00	7.50		225.00		
				2.00	7.50		15.00		
				9.50	1.60		15.20		
				9.50	4.50		42.75		
				4.10	2.60		10.66		
				6.70	2.10		14.07		
				5.60	5.00		28.00		
				5.50	1.80		9.90		
				5.00	2.30		11.50		
				4.60	4.00		18.40		
	S-HIG-C-04 Flat No 49-64 Front side			7.00	5.30		37.10		
				8.70	3.00		26.10		

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				9.20	4.90		45.08		
				12.20	5.40		65.88		
	S-HIG-C-04 Flat No 49-64 Back side			13.20	6.00		79.20		
				12.45	5.00		62.25		
				1.80	5.00		9.00		
	Deduction for chambers abd sump tank		4.00	0.50	0.50		0.25		
	Anurag Flat No 33-48 S-HIS-C-03 Front side			28.50	5.90		168.15		
				4.20	2.50		10.50		
				20.50	4.00		82.00		
				30.00	4.30		129.00		
				8.00	4.00		32.00		
				18.50	8.30		153.55		
	Sri Saptagiri S-HIG-C-07 Front side			30.00	5.50		165.00		
	Sri Saptagiri S-HIG-C-07 Right side			7.50	6.00		45.00		
	Sri Saptagiri S-HIG-C-07 Back side			29.00	7.40		214.60		
	Omsai S-HIG-C-8 Front side			25.00	6.50		162.50		
	Omsai S-HIG-C-8 Back side			24.00	8.40		201.60		
	Veersagar Main Road Government hospital			9.50	1.50		14.25		
				9.50	1.50		14.25		
				19.20	1.50		28.80		
				19.20	1.50		28.80		
				19.20	1.50		28.80		
				14.00	1.50		21.00		
				7.00	1.50		10.50		
	Deduction Chambers and sump tanks		4.00	5.00	3.50		-70.00		
			6.00	1.00	1.00		-6.00		
						Present Qty	**3070.44**	**1171.99**	**3598524.98**

Contractor PMC Assistant Engineer Asst, Executive Engineer

ame of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under ad Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

te of Pre-Measurement : 22.10.2021.

Detailed Measurements

tem No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
32	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for RCC work including Straightening, cutting, bending, hooking, placing in position, lapping and/or welding whereever required, tying with binding wire and anchoring to the adjoining members whereever necessary completed as per design ans specification.								
	Ams Extension Layout								
	3rd Main Road								
	Total drain length=7.50m								
	Main bar 12mm dia bar @ 130mm								
	0.9kg/mtr								
	No of U-bar=115.00Nos		115	2.15		0.90	223.27		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.60kg/mtr		16	7.5		0.60	72.00		
	4th Main Road								
	Total drain length=7.90m								
	Main bar 12mm dia bar @ 130mm								
	0.9kg/mtr								
	No of U-bar=122.00Nos		122	2.15		0.90	235.18		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.60kg/mtr		16	7.9		0.60	75.84		
	4th 'A' Main Road								
	Total drain length=7.40m								
	Main bar 12mm dia bar @ 130mm								
	0.9kg/mtr								
	No of U-bar=114.00Nos		114	2.15		0.90	220.29		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.60kg/mtr		16	7.4		0.60	71.04		
	5th Main Road								
	Total drain length=6.5m								
	Main bar 12mm dia bar @ 130mm								
	0.9kg/mtr								
	No of U-bar=100.00Nos		100	2.15		0.90	193.50		
	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.60kg/mtr		16	6.5		0.60	62.40		
	6th Cross Road								
	Total drain length=6.2m								
	Main bar 12mm dia bar @ 130mm								
	0.9kg/mtr								
	No of U-bar=95.00Nos		95	2.15		0.90	184.57		

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	Distribution bar								
	Distribution bar 10mm dia @ 150mm								
	0.60kg/mtr		16	6.2		0.60	59.52		
							1397.61		
						Present Qty	[illegible]	[illegible]	106138.98

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 29.10.2021.

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
			Detailed Measurements						
33	providing and laying plain/reinforced cement concrete foe drain walls and bottom thickness 15cm using M20 nominal mix concrete with OPC at 300kgs. With 20mm and down size granite metal coarse aggregates at 0.69cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinery, curing etc., completed as per specification.								
	AMS Extension Layout Culverts								
	Raft								
	3rd Main Road		1.00	7.50	1.50	0.23	2.59		
	4th Main Road		1.00	7.90	1.50	0.23	2.73		
	4th 'A'Main Road		1.00	7.40	1.50	0.23	2.55		
	5th Main Road		1.00	6.50	1.50	0.23	2.24		
	6th Main Road		1.00	6.20	1.50	0.23	2.14		
	Wall								
	3rd Main Road		2.00	7.50	0.20	0.90	2.70		
	4th Main Road		2.00	7.90	0.20	0.90	2.84		
	4th 'A'Main Road		2.00	7.40	0.20	0.90	2.66		
	5th Main Road		2.00	6.50	0.20	0.90	2.34		
	6th Main Road		2.00	6.20	0.20	0.90	2.23		
						Present Qty	**25.03**	**7423.17**	**185783.39**

Contractor PMC Assistant Engineer Asst, Executive Engineer

ame of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 nder Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

ate of Pre-Measurement : 15.11.2021.

Detailed Measurements

tem No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
35	supplying and fixing precast reinforced concrete slab 250mm thick of mix M20 using 20mm and downside graded granite metal using reinforcement 10mm dia steel at 150mm c/cboth ways cost of transportation, hire charges of machinary, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of materials.								
	AMS Extension Layout								
	3rd Main Road		1.00	7.50	1.50		11.25		
	4th Main Road		1.00	7.90	1.50		11.85		
	4th 'A'Main Road		1.00	7.40	1.50		11.10		
	5th Main Road		1.00	6.50	1.50		9.75		
	6th Main Road		1.00	6.20	1.50		9.30		
						Present Qty	53.25	5688.90	302933.93

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 Under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 16.10.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
37	KSRRB M200-15.1 Dismantelling of Existing Structures like culverts bridges retaining wall and other structures comprising of masonry cement concrete wood work Etc., Complete as per specifications.								
	AMS Extension Layout								
	3rd Main Road		1.00	7.50	0.40	1.00	3.00		
	4th Main Road		1.00	7.90	0.40	1.00	3.16		
	4th 'A'Main Road		1.00	7.40	0.40	1.00	2.96		
	5th Main Road		1.00	6.50	0.40	1.00	2.60		
	6th Main Road		1.00	6.20	0.40	1.00	2.48		
						Present Qty	**14.20**	321.66	4567.57

Contractor PMC Assistant Engineer Asst, Executive Engineer

Name of Work: Improvements to Roads and Drains and other developmental works in Attur Ward No-03 under Road Development head in Chief Minister Navanagaraothana of Yelahanka Division (Package -02)

Date of Pre-Measurement : 10.11.2021.

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Rate	Amount
39	KSRRB M200-24 Dismatelling of cement concrete pavement by mechanical means using pneumatic tools breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismatelling materilas stackling servicable and unservicable materials seperately complete as per specification.								
	Sri Saptagiri S-HIG-C-07 Front side			30.00	5.50	0.15	24.75		
	Sri Saptagiri S-HIG-C-07 Right side			7.50	6.00	0.15	6.75		
	Sri Saptagiri S-HIG-C-07 Back side			29.00	7.40	0.15	32.19		
	Omsai S-HIG-C-8 Front side			25.00	6.50	0.15	24.38		
	Omsai S-HIG-C-8 Back side			24.00	8.40	0.15	30.24		
	Green View S-HIG-C-9 Front side			30.00	6.90	0.15	31.05		
				4.00	6.90	0.15	4.14		
	Green View S-HIG-C-9 left side			25.00	11.00	0.15	41.25		
	Swasthik S-HIG-C Right Side			12.00	5.70	0.15	10.26		
	Swasthik S-HIG-C Front Side			23.60	7.20	0.15	25.49		
	Omkar Appartment NHIG-C-6 (Front side)			28.00	2.30	0.15	9.66		
				9.00	3.30	0.15	4.46		
	Omkar Appartment NHIG-C-6 (Left side)			10.00	4.80	0.15	7.20		
				19.00	2.60	0.15	7.41		
	Omkar Appartment NHIG-C-6 (Right side)			16.00	7.30	0.15	17.52		
				13.50	3.70	0.15	7.49		
				9.00	3.30	0.15	4.46		
				14.00	10.00	0.15	21.00		
	Dhruva Appartments			3.00	2.00	0.15	0.90		
	Santa Shree Sevalal maharaj Park Front			9.00	6.90	0.15	9.32		
				9.00	3.60	0.15	4.86		
	Santa Shree Sevalal maharaj Park Opposite			21.00	5.00	0.15	15.75		
				12.50	2.70	0.15	5.06		
	Near Neha prakash Hospital Front side			30.00	5.00	0.15	22.50		
				6.00	5.00	0.15	4.50		
				30.00	5.00	0.15	22.50		
	Veersagar Main Road Government hospital			9.50	1.50	0.15	2.14		

Contractor　　Consultants　　Assistant Engineer　　Assistant Executive Engineer

				9.50	1.50	0.15	2.14		
				19.20	1.50	0.15	4.32		
				19.20	1.50	0.15	4.32		
				19.20	1.50	0.15	4.32		
				14.00	1.50	0.15	3.15		
				7.00	1.50	0.15	1.58		
	Deduction Chambers and sump tanks		4.00	5.00	1.30	0.15	-3.90		
			6.00	1.00	1.00	0.15	-0.90		
						Present Qty	412.23	1000.59	412476.22
								Total	98223136.38
								12%GST	11786776.37
								Grand Total	110009912.75

Contractor | PMC | Assistant Engineer | Asst, Executive Engineer